

Jan 18 (Sun)



# Ø BEAT



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D E C E M B E R

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**DECEMBER 1975**

## SEASONS GREETINGS



R. Neel

**MEETING NOTICE** - The PPRAA Board of Directors voted at their November meeting to have a regular meeting in December as well as the Christmas Dinner Party. The club meeting will be December 10th at 7:30 P.M. in the Security Savings & Loan Building, East Platte at Union Boulevard. Any person interested in amateur radio is invited to attend.

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**BRING SANTA CLAUS** to shut-in kids via Amateur Radio this Christmas -- make arrangements now for volunteers to take two meter hand-helds into children's wards in local hospitals, have an appropriate-voiced "Santa" waiting on the repeater to visit with them. A growing number of clubs throughout the country are doing it with enthusiastic response from kids, hospitals and the participating Amateurs themselves. It's fine PR, too!

HR REPORT

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**ARRL PROPOSAL** to give area frequency coordinators "official" status in repeater licensing has received generally positive response in communi-

# ZERO BEAT

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PPRAA meets at 7:30 P.M. on the second  
Wednesday of each month in the Security  
Savings & Loan Building, East Platte at  
Union Boulevard.

## PPRAA DIRECTORS

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Bill Croghan 1912 W. Colorado Ave.	WB0KSW 634-7218
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cations received at headquarters. As more areas approach frequency saturation  
on the VHF bands the feeling is that this type of approach is inevitable.

HR REPORT

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NOVEMBER MINUTES by Bart Hayhurst, WA0YOH, Secretary: The November meeting of  
the PPRAA was held on November 12th at the Security Savings and Loan, Union  
and Platte.....Meeting was called to order by the President, Bill Croghan,  
WB0KSW at 7:35 P.M. with 46 members and guests attending.....Treasurer report  
by Dean Jaynes, WA0PJH, was for \$174.38 as of this date.....Ken Hall, WB0NOS  
reported on the October board meeting - Explorer Post Number 599, headed by  
Dick Schlueter is under way and 65 young adults that have shown interest are  
to be contacted.....President Bill reported 20 to 30 attending Novice classes  
and that the code practice transmitter is on 147.57 MHz each evening (well  
most, anyway).....Dick Cohen, K6DBR/0 is heading up a Swap Fest" for mid Feb-  
ruary.....Kathy Barrett, XYL of Chas., WB0OCJ will be fixing the "Turkey" and  
ham for the Christmas Party Dinner, with help from others to have a pot luck  
dinner.....Guest speaker was BR "Slats" Council, K0ATZ, General Convention  
chairman for the 1976 Convention, with a very good slide show on Colorado and  
the Convention as well as on the 1975 Convention.....Meeting was adjourned  
at 9:50 P.M.

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CHARLIE HIGGINBOTHAM SPOKE at the Radio Club of America meeting in New York

recently and offered a number of interesting insights into where Amateur Radio can expect to be going in the near future.

A Lifetime Amateur Operator's License like Canada's, which requires only the station license be renewed periodically, has been considered. "Instant" upgrading and even licensing are now quite likely and may not even be very far off. The Gettysburg logjam continues to be a major problem and is receiving lots of attention -- look for some radical changes in license handling procedures including a much simpler Form 610. Another innovative idea is to let Amateurs retain their same callsigns even if they move to a new district.

Class D CB expansion (Docket 20120) will be out of the Amateur and Citizens Division and on its way to the Commissioners for action before the end of the year, Charlie promised. Expect it to give Class D the proposed new SSB-only channels, and don't be surprised if it takes much of the steam out of the press for Class E on 220. ATIS (automatic transmitter identification) is not dead, but needs so much revision that it will probably come out next year as a new Notice of Proposed Rule Making.

FCC rules are being reviewed and many of the existing rules will be dropped entirely. Along this line, more people responding to HR Report's request for suggestions for rule simplifications wanted to drop either the call area from "mobile X" or the word "mobile" entirely than any other rule change.

Charlie's got another license now -- CB has joined 2 meter FM in his car, but he says he likes 2 meters a lot better!

HR REPORT

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AMATEUR RADIO PUBLIC RELATIONS by Lyle Rockefeller, WNØMOI: CBers of the world are often confused for hams and visa versa. And more often than not... the 11-meter gang claims credit for all kinds of public service. Stop and consider this! The citizens band was created for personal communications.... The Amateur service was set down for public service (among other purposes). We have a lot of PR work to do if we are to prove we are doing what we are supposed to do. Hence, any public service accomplishment and many feature stories accurately portraying ham radio should get to the public. No idea is too small to work on. Keep these phone numbers handy and keep our PR rolling along: 599-7890-home or 475-7609-work. You call it in to me and I'll send it out to the world. Thanks and 73's!

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REPEATER CROSSBANDING, DOCKET 20113, has been approved and becomes effective December 15. Report and order will permit unlimited crossband operation of repeaters in the authorized repeater subbands, covers several related topics.

Definition of "Automatic Retransmission" has been added to the rules, characterizes an "automatic retransmission" as one initiated by a received signal. This removes previous confusion over "manual" vs "automatic" retransmission, specifically permits the operator of a 2 meter station, for example, to retransmit something he's hearing on 20 meters to a listening buddy on 2 meters by holding his mike in front of the 20 meter receiver and pressing the mike button.

One prohibition still must be observed, however. Existing rules prohibit retransmission of an Amateur signal on a frequency the station being retransmitted is not licensed to use. Thus, the retransmission of a 40 meter Novice signal on 2 meters or of a Technician on 20 meters is still against the rules.

"Automatic Retransmission" is restricted to repeaters, auxiliary links or remotely controlled stations such as a remote base which has an auxiliary link station as a part of its system. In the latter case, the remote base is limited to retransmitting the signals of its auxiliary link station only. Crossbanding OK is a long-awaited and welcome action, and many repeater groups just getting started on 220 or 6 meters will probably use it to exercise their new machines and stir up more interest in those underutilized bands.

## HR REPORT


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SHOCKING NEWS IT IS INDEED and brought to us by John Esterly, W8RAK of NASA. John reminds us that it doesn't take much current to injure or kill a human. As a matter of fact, over 200 milliamperes (about the same amount that a 25 watt light bulb uses) can cause cardiac arrest, severe burns and even death. While different people have different tolerance to electrical shock, the majority of people will experience the effects listed:

- 1 mA - Usually imperceptible
- 3 mA - As above, but may have mild sensation
- 5 mA - May feel pain, annoyance or surprise
- 9 mA - Likely to freeze to electrical source; will suffer burns.
- 30 - 200 mA - Ventricular fibrillation, fainting, loss of muscle control and difficulty in breathing.
- Over 200 mA - Will suffer muscle contractions and cardiac arrest usually resulting in death...

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GREATER CLEVELAND AREA  
REPEATER NEWSLETTER



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FOR SALE: Complete Collins "S" Line station and Telex antenna with tower. Selling because of ill health. Equipment consists of: one 75S3C receiver, one 32S3 transmitter, one 312B-4 phone patch, watt meter etc, one 516F-2 power supply and one 30S1 linear amplifier. This gear has had very little use and prefer to sell as one item. Bob Collier, WØBUI, phone 596-0025.

FOR SALE: Ameco TX-62, Ameco converters for 2 and 6 meters, a LaFayette VFO for 2 and 6, a bandpass filter for 2 meters (keeps out TV QRM), a power supply for the two converters, a switchbox for providing power to either of the converters, a transistorized VXO for 2 meters (now used for 143.95 MHz AF MARS), and a power supply for the VFO. \$75.00 for the whole lot, FOB Oklahoma City, Oklahoma. Carl C. Drumeller, W5JJ (ex-W9EHC of Colorado Springs) 5824 N. W. 58th Street, Warr Acres, Oklahoma 73122.

FOR SALE: Heathkit SB-300 receiver, like new; Heathkit DX-60 transmitter, very good; Heathkit HG-10 VFO, very good; Lafayette K200 receiver with speaker; Hallicrafters S-30C receiver; Calrad code oscillator with key. As a package, all can be purchased at a very reasonable price. Mrs. Eric (Kelli) Stouffer, phone 473-1590 (home) or 471-9616 (office).

FOR SALE: SB-300 receiver, \$220.00. Phone Brian at 634-3630.

WANTED: Heath dummy load, linear amplifier and all band vertical antenna. Phone Lyle at 599-7890.

FOR SALE: Heathkit HW 32A SSB transceiver with Heath AC power supply, built-in crystal calibrator, mike and mobile mount. \$120.00. Ed Pompea, KØZPG. Phone 635-7554.

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10-METER CONTEST - A last minute reminder that the ARRL 10-Meter Contest will take place from 1200Z on 12/13 to 2359Z on 12/14.

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IN-DASH CB RIGS were the hot new item at the Automotive Parts and Accessories Association show recently as manufacturers and users both become more concerned over the wave of CB radio thefts. In-dash units are also almost a must in some newer cars because of space limitations and are certainly more tolerable in the eyes of the operator's family -- how long before a two meter FM maker offers an in-dash model?

HR REPORT

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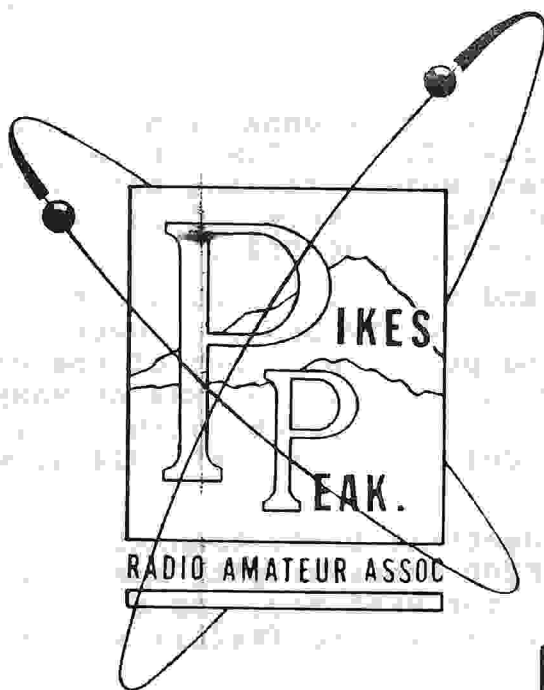
MEXICAN BUSINESSMEN USING 6 METERS for their "business band" were nailed recently in a cooperative effort by American and Mexican Amateurs, the FCC and Mexican Office of Telecommunications. The illegal Tijuana-based Mexican stations, using 52.525 for an interplant communications frequency, were shut down and their equipment impounded after an investigation instigated by 6-meter buffs from San Diego assisted by XE2CCH and XE210. This kind of activity is reported spreading, with many 2-meter FM rigs ending up in unlicensed commercial service in both Mexico and some areas of the U.S. Equipment is readily available to anyone willing to pay the price, and with no requirement that a purchaser of two-way equipment show a license for the kind of radio he's buying, it's inevitable that abuses of this kind will continue. Thanks to WA6LBV for the story.

HR REPORT

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A Very Merry Christmas and a Happy and Prosperous New Year to all from the PPRAA Board of Directors and the staff of ZERO BEAT!

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COLO. SPRINGS,  
COLORADO



DECEMBER  
1975

## ZERO BEAT

Charles Barrett  
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